

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/000431

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C05F7/02 C08K3/22 H01B3/00 C09K5/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C05F C08K H01B C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 276 321 A (SHOWA DENKO KABUSHIKI KAISHA) 3 August 1988 (1988-08-03)	1-19
Y	page 13, line 18 - page 16, line 21; claims; examples 12-17; tables 5,7	20
X	US 6 284 829 B1 (B. DALBE ET AL.) 4 September 2001 (2001-09-04)	1-19
	claims	
X	EP 0 361 109 A (MITSUBISHI KASEI CORPORATION) 4 April 1990 (1990-04-04)	1-19
	claims; examples 4,5	
Y	EP 0 342 141 A (INTERNATIONAL BUSINESS MACHINES CORPORATION) 15 November 1989 (1989-11-15)	20
	page 6, line 59 - page 7, line 14; claims	
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

20 July 2005

Date of mailing of the international search report

20.10.2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 265 839 A (CALP CORPORATION) 4 May 1988 (1988-05-04) page 5, line 24 - page 6, line 47; claims -----	20
A	EP 0 469 257 A (VEREINIGTE ALUMINIUM-WERKE AKTIENGESELLSCHAFT) 5 February 1992 (1992-02-05) page 2, line 4 - line 54 -----	1-20
A	EP 0 499 585 A (CIBA-GEIGY AG) 19 August 1992 (1992-08-19) column 3, line 5 - line 10; claims -----	1-20
A	US 6 210 520 B1 (J.L. OSUNA ET AL.) 3 April 2001 (2001-04-03) column 3 - line 38; claims -----	1-20

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 20

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-20

The first invention solves the problem of providing an alternative inorganic powder, which is suitable as thermally conductive filler in resin compositions and allows high loading of the resin composition with the filler without causing the viscosity to increase too much.

This problem is solved by the inorganic powder as defined in claims 1-20.

2. claims: 21-38

The second invention solves the problem of providing an alternative resin composition filled with the inorganic powder defined in claims 1 to 20 having a high thermal conductivity and electrical insulating properties and various products comprising this resin composition.

This problem is solved by the resin composition as defined in claims 21 to 23 and the products comprising this resin composition as defined in claims 24 to 38.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0276321	A	03-08-1988	DE 3786249 T2	07-10-1993
			WO 8800573 A1	28-01-1988
			JP 1721194 C	24-12-1992
			JP 4008465 B	17-02-1992
			JP 63020340 A	28-01-1988
US 6284829	B1	04-09-2001	AT 226606 T	15-11-2002
			CA 2238886 A1	03-07-1997
			CN 1205721 A	20-01-1999
			DE 69624499 D1	28-11-2002
			DE 69624499 T2	04-09-2003
			DK 868474 T3	30-12-2002
			EP 0868474 A1	07-10-1998
			ES 2181931 T3	01-03-2003
			FR 2742763 A1	27-06-1997
			WO 9723555 A1	03-07-1997
			PT 868474 T	31-03-2003
EP 0361109	A	04-04-1990	JP 2811784 B2	15-10-1998
			JP 3072570 A	27-03-1991
			US 5116885 A	26-05-1992
EP 0342141	A	15-11-1989	DE 68908470 D1	23-09-1993
			DE 68908470 T2	17-03-1994
			JP 1969417 C	18-09-1995
			JP 2018953 A	23-01-1990
			JP 6095557 B	24-11-1994
			US 5094769 A	10-03-1992
EP 0265839	A	04-05-1988	JP 63225657 A	20-09-1988
			KR 9108563 B1	19-10-1991
EP 0469257	A	05-02-1992	DE 4024044 A1	30-01-1992
EP 0499585	A	19-08-1992	CA 2061093 A1	15-08-1992
			DE 59203064 D1	07-09-1995
			JP 3176416 B2	18-06-2001
			JP 5132576 A	28-05-1993
			KR 210184 B1	15-07-1999
US 6210520	B1	03-04-2001	US 6020424 A	01-02-2000